Amendments to the Claims:

Please cancel Claims 1-40 and 49-52 as indicated in the following listing of claims, which replaces all prior versions and listings of claims in the application.

Listing of Claims:

41. (Original) A plasma torch head comprising:

an outer nozzle;

an inner nozzle, the inner nozzle including a conduit passing through the inner nozzle from an inlet side toward an outlet,

a toroidal transformer core surrounding the conduit; and

a bypass providing a return path for a secondary plasma current circuit around the toroidal transformer core.

- 42. (Original) The plasma torch head of claim 41 wherein the inner nozzle comprises metal and further including a dielectric spacer in the inner nozzle to prevent an electric path through the inner nozzle around the toroidal transformer core.
- 43. (Original) The plasma torch head of claim 41 wherein a first gas is flown through the conduit and a second gas if flown through the bypass, the first gas being different from the second gas.
- 44. (Original) The plasma torch head of claim 43 wherein the first gas is oxygen and the second gas is either propane or hydrogen.
- 45. (Original) The plasma torch head of claim 41 further comprising a primary coil disposed to couple electro-magnetic energy to the toroidal transformer core wherein the primary coil and the toroidal transformer core are enclosed within the inner nozzle.

46. (Original) A method of cutting material using a plasma torch, the method comprising:

flowing a plasma precursor in a conduit through a center of a toroidal transformer core of a plasma generator in an inner nozzle of a plasma torch;

forming plasma from the plasma precursor;

completing a plasma current secondary circuit around the toroidal transformer core through a bypass; and

transporting plasma out an outlet of the plasma torch.

- 47. (Original) The method of claim 46 further comprising flowing carrier gas through the bypass.
- 48. (Original) The method of claim 46 wherein the forming plasma step includes providing a primary voltage to a primary coil coupling electro-magnetic energy to the toroidal transformer core, the primary voltage being an alternating-current voltage less than about 115 Volts.